

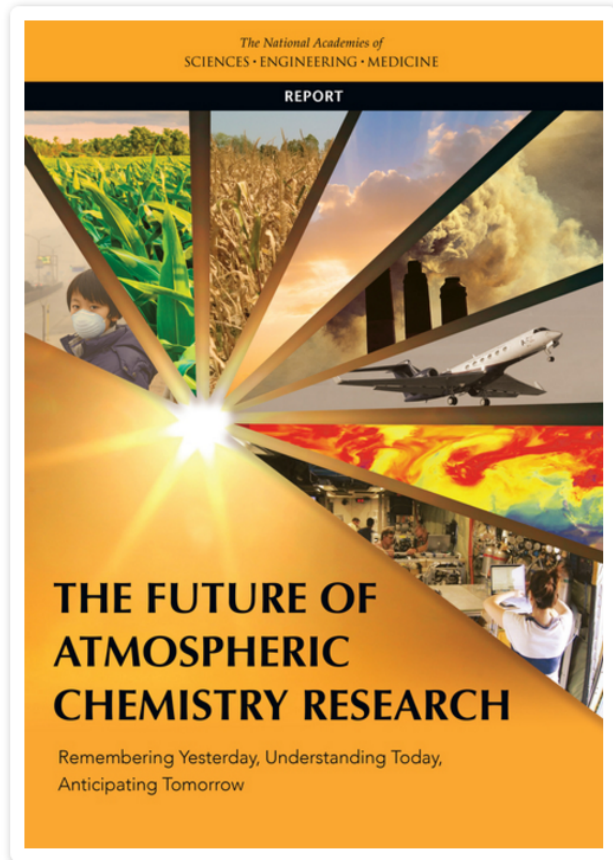
NCAR ACOM/ACCORD Workshop, Analysis of existing biomass burning datasets

Christine Wiedinmyer

Louisa Emmons

John Orlando

National Academies of Sciences Report: Future of Atmospheric Chemistry Research



Recommendation 3 :

NSF should encourage mining and integration of measurements and model results that can merge and exploit past datasets to provide insight into atmospheric processes, as well as guide planning for future studies.

Workshop Goals

- Discuss science questions associated with biomass burning
- Learn about existing datasets that can be used for data mining and analysis
- Train on tools and models for data analysis
- Develop collaboration and networking opportunities with other scientists

Expected Outcomes

- What are you looking for?
- Summary for EOS, IGAC Newsletter
- Trained community members on NCAR tools
 - New tools/resources available for community
- Network of researchers interested in BB
- Library of BB datasets
 - (NCAR Tech Note? ESSD paper? ACOM website?)

Agenda

Thursday Morning, Plenary (FL2 Auditorium)

- 08:30-08:45: Welcome, Goals, Overview of science questions, data collected (*CW & LE*)
- 08:45-09:10: Lab Experiment Overview (*Kelley Barsanti, Univ CA- Riverside*)
- 09:10-09:35: Modeling Fire Emissions (*Christine Wiedinmyer, ACOM*)
- 09:35-10:00: Chemical modeling (*John Orlando, ACOM*)

10:00-10:30: BREAK

- 10:30-10:55: Aircraft Field Campaigns (*Sam Hall, ACOM*)
- 10:55-11:20: Surface Monitoring Networks (*Sean Raffuse, Univ CA- Davis*)
- 11:20-11:45: Modeling Fire Plumes (*Jingqiu Mao, Univ. AK*)
- 11:45-12:10: Evaluating 3D Models with Aircraft Obs (*Louisa Emmons, ACOM*)
- 12:10-12:30: Breakout Overviews and Assignments (*Christine Wiedinmyer, ACOM*)

- *12:30 - 1:30: Lunch (NCAR Cafeteria, Cash ONLY)*

Agenda

Thursday Afternoon

1:30 - 3:15: **Breakout Session 1**

3:15-3:45: BREAK

3:45-5:00: 1-slide intro from each participant (FL2 Auditorium)

5:00-6:30: Reception in FLO Atrium

Dinner on your own

Friday Morning

08:30 - 10:00: **Breakout Session 2**

10:00-10:30: BREAK

10:30 - 12:00: **Breakout Session 3**

12:00-1:30: Lunch (NCAR Cafeteria, Cash ONLY)

Friday Afternoon

1:30-3:00: **Workshop Wrap Up (FL2 Auditorium) (LE, CW, JO)**

3:00 Adjourn



LOGISTICS

Thursday 1:30 - 3:15: Breakout Session 1

IMPROVE and other monitoring data (<i>Sean Raffuse, Univ CA- Davis</i>)	FL0-1580
BOXMOX training (<i>Becky Hornbrook, ACOM</i>)	FL0-2108
Fire datasets, emissions ... (<i>Christine Wiedinmyer, ACOM</i>)	FL0-2512
Aircraft campaign data and Model output (<i>Louisa Emmons, ACOM</i>)	FL3-1067
Processing data with R (<i>Nick Good, Colorado State Univ</i>)	FL3-2072

Friday 8:30-10: Breakout Session 2

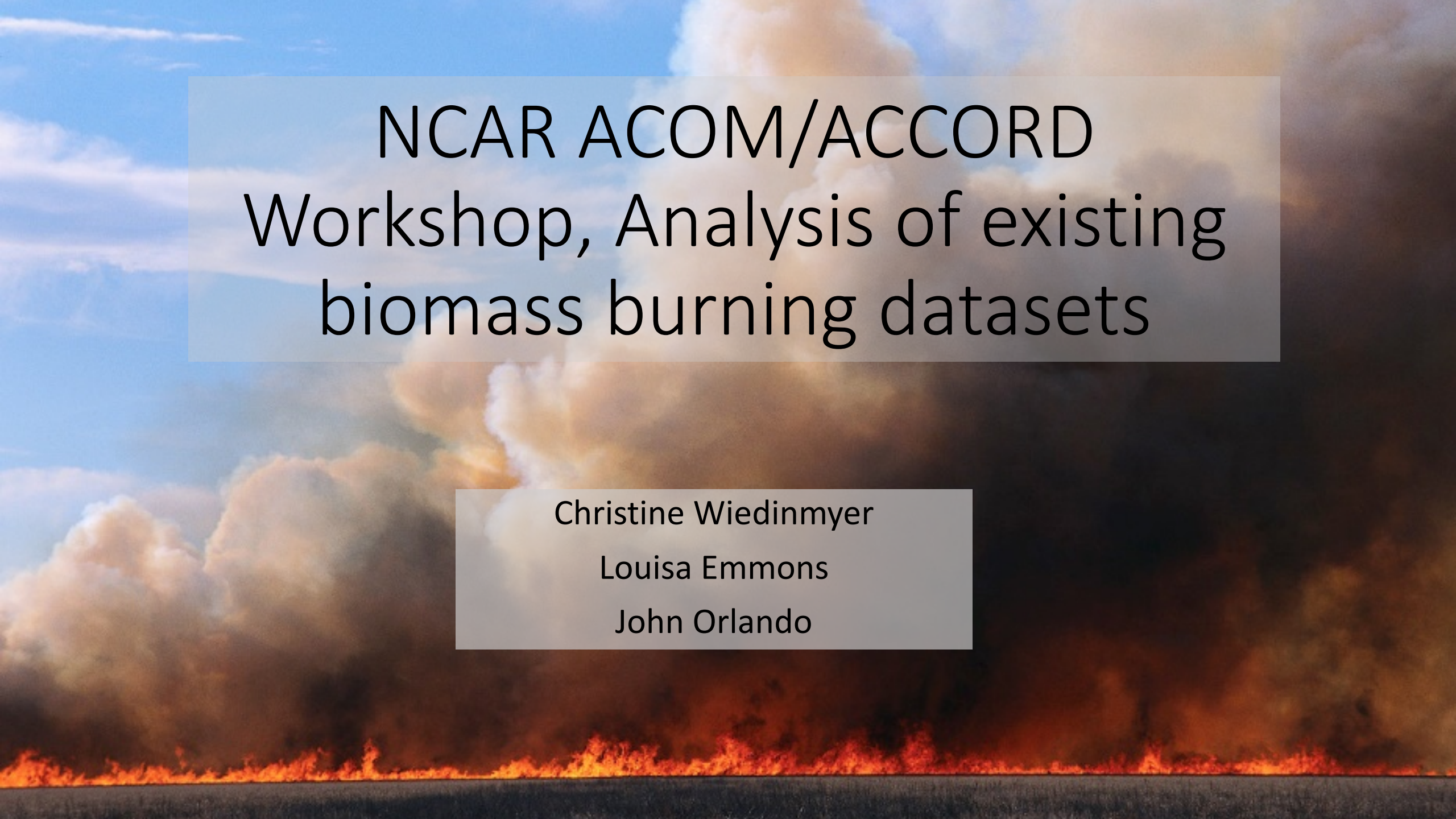
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Things to think about

- *YOUR* Science Questions
- What do you need?
- What outcomes would you like to see?



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What's happening next?

- Breakout Sessions
- Introductions
- Reception

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